ts TOTAL CAMPUS SOLUTION

College ERP System

**Solutions designed for
Government/Aided/Autonomous/Self Finance – Colleges**

**4 Year UG –
NEP Compliant**

Call us for a demo!

MeshiLogic
Kinfra Techno Industrial Park.
Calicut University Post, Kerala, India
E-mail: mail@meshilogic.com, www.meshilogic.com
Mobile: +91 +91-9207597400, +91-9447537400, +91-9447647800

Welcome to MeshiLogic, your gateway to excellence in institutional management. Nestled in the heart of India's KINFRA Techno Industrial Park in Kakkanchery, Kerala, we're your trusted partner in transforming education and administration.

Discover Online TCS, a premier College Automation system that redefines product excellence and unwavering support. With a rich history of successfully implementing institutional management solutions across schools and colleges, both in India and abroad, MeshiLogic offers you unmatched expertise.

Our deep understanding of the implementation process ensures a smooth and successful transition. From our development and support center in India to our Middle East office in KSA and an extensive network of channel partners, we stand by your side, delivering solutions that empower your institution's growth.

Executive Summary

MeshiLogic extends its gratitude for the opportunity to address your solution requirements. We are confident that the capabilities and technologies outlined in this response align seamlessly with your functional solution requirements, incorporating the latest cutting-edge technology.

The Software is web based application - coupled between your PC and Mobile devices Improving communication channels for students, parents, and teachers. The software is built upon three interconnected threads: the Academic thread, the Administrative thread, and the financial thread.

Right from the admission to the issue of TC, ID card generation, generating mark and attendance statement, promotion or retention and later enrolling in Alumni or nomination for placement . Staff profile maintenance, HR, leave account and with pay slip generation, transport management etc. are interlaced in administration solution.

Students profile maintenance including attendance progress report, other curricular and co-curricular achievements, Paper settings for teaching faculty matched with timetable. Work adjustments matched with timetable, conduct of examination including seminar, viva projects etc. and their evaluation and mark entry, Semester promotion, maintaining academic calendar, Study material upload and share online facility etc. are part of academic thread in the solution.

Online / Offline fee collection integrated with financial accounts keeping up the outstanding fee reports, Payroll System that include salary, allowances deductions , subscriptions etc. integrated with Financial Accounting system. Purchase, Sales and stock maintenance of store items integrated with Financial Accounting System generating updated reports of receivable and payable accounts, daily cash book and bank book, ledger maintenance and trial balance and final accounts etc. are part of financial thread in the solution.

Event Documentation Management sorted by NAAC criteria for AQAR upload and Outcome Based Evaluation module right from Question bank generation to CO-PO mapping are new additions to this system. Unlock the potential of your institution with MeshiLogic.

Online TCS – Web Based College Management ERP Solution

Online TCS is a web based College Management ERP Solution, with portals facilitating Student, Parent, Teacher and Management interactions and admin modules for the complete management of the day to day activities of the college. All modules are integrated and contain strong reporting capabilities. The Campus Solution has over 100 institutions in its client list from India and Middle East, using either the Web or Client Server version of the application.

PORTALS

- Portals for teachers, students and parents
- Add new users and user settings
- Set user privileges

Faculty / Staff
- Attendance Entry, Faculty Dashboard
- Internal Exam Mark Entry
- Attendance and other Reports
- Work Adjustment request and acceptance
- Syllabus, Question paper & Assignments upload
- Staff Profile entry with details

Functional Details of the Modules

1.	**Academic Management**

- ➤ Institution, Streams, Courses, Class, Batch & Academic Year Settings
- ➤ Access to Course Calendar, Syllabus, POs, COs, OBE Mapping etc.
- ➤ Lesson Plans & Course Diary etc.
- ➤ Generate course diary report
- ➤ Real time access to attendance & Assessment Reports
- ➤ Academic Calendar
- ➤ Classes and Semesters settings to set up start date and end date of each programmes or semesters, Attendance blocking facility for individual classes till specified dates
- ➤ Setting up admission quota for different categories like General, Management and Community Quota with option to categories students accordingly.

Student Management
- ➤ Student details entry at the time of admission with option for mandatory fields
- ➤ Parent Master along with student details entry
- ➤ Upload student photo
- ➤ Search for student details with admn. no, name etc
- ➤ Student Roll No generation with option for different sort orders
- ➤ Generate/entry identification nos. Like University reg no based on admn.no.
- ➤ Promotion of students
- ➤ Shifting of students to different courses
- ➤ View/change status of students like active, tc issued etc.
- ➤ TC Issue
- ➤ Import student data using excel formats
- ➤ ID Card Printing

Faculty Details
- ➤ Faculty / Staff Grades
- ➤ View and Update Profile Data
- ➤ Staff access to concerned classes
- ➤ Paper settings for teaching faculty
- ➤ HOD & Class Tutors
- ➤ Staff Job Positions

Customized Certificates
- ➤ Transfer certificate, Course & Conduct Certificates
- ➤ Other customized certificates upon request

Reports
- ➤ Student details report having option to set columns dynamically
- ➤ Nominal Rolls & Categorized Nominal Rolls
- ➤ Student wise Record (Profiles)
- ➤ Address Slips

- ➢ Promotions List
- ➢ TC Register
- ➢ Teacher/ Staff Profile
- ➢ Hours Engaged report
- ➢ More than 30 reports with various details in Academics

2. Attendance

- ➢ Various types of attendance entries
- ➢ Attendance entry from teacher login for paper wise class attendance entry
- ➢ Attendance entry from Admin/HOD/Tutor login for special occasions with option to update paper wise class attendance entry
- ➢ Absentees only entry option
- ➢ Student wise attendance entry for selected months
- ➢ Block attendance entry for a class till specified date
- ➢ Attendance calculation based on college calendar working days or calendar days
- ➢ Setting regular class on holidays and vice versa
- ➢ Duty Leave entry for students involvement in official activities

Reports

- ➢ Student wise daily and monthly reports
- ➢ Student wise attendance percentage for a given period
- ➢ Attendance shortage list/ irregular student list
- ➢ Consolidated paper wise attendance register
- ➢ Unmarked staff list / Unmarked hours

3. Timetable

- ➢ Day and Period Settings
- ➢ Semester wise day periods
- ➢ Subjects grouping for Time Table
- ➢ Manual Time Table Entry
- ➢ Holiday Adjustment
- ➢ General Time Table
- ➢ Work Adjustment for staff on leave with attendance entry option for the adjusted staff in their portals
- ➢ Reports

4. Examination

- ➢ Subjects and Subject components settings
- ➢ Grouping of subjects to facilitate common subject for different courses
- ➢ Papers taught in a class with grouping facility for timetable arrangements
- ➢ Internal mark components and mark distribution
- ➢ Internal mark calculation for different components
- ➢ Paper assessment settings

➢ Grades in the examination with setting options

Examination Conducting and Hall Arrangements

➢ Examination type & Room type settings

➢ External and Internal examinations

➢ Private candidates in external examinations

➢ Examination schedules

➢ Resource room allocation and resource room details

➢ Seat allotment for examinations with dynamic options

➢ Exam Hall view

➢ External examination attendance entry

Reports

➢ Student wise Internal Mark list

➢ Paper wise internal marks

➢ Consolidated Internal Marks Form A & Form B (MG University)

➢ Internal and External Examination Attendance

➢ Internal Exam Grades

5.	**Staff/Campus Performance Evaluation**

➢ Evaluation keys

➢ Evaluation item settings

➢ Evaluation attributes under each items

➢ Evaluation details

➢ Evaluation remarks

➢ Reports

6.	**Placement Management**

Placement is the most crucial activity of all institution. This module helps to handle all these activities easily. Placement determines the reputation and ranking of the institution. The institution has tremendous responsibility in terms of good placement for their students. The placement module very efficiently handles everything and reduces the pressure of institutions.

➢ Data of shortlisted students to excel file based on Search Criteria

➢ Manage Create Placement Cell and Members

➢ Track and Manage Placement process of each Job Posting individually

➢ Manage Company Profiles (Add/ delete/ modify)

➢ Manage Job Postings (Add/ publish / delete)

➢ Send Notifications to students

➢ Create shortlist of students as per HR Manager(s) Job Request

➢ Email shortlisted student's details with/without resume to HR Manager

➢ Export student profile (Flexibility to Hide/Unhide students already placed)

➢ Set preferences for student eligibility criteria for placement

7.	**Fee Management** *(For Self Financing Colleges Only)*

- ➢ Fee demanding facility by Accrual system
- ➢ Fee chart settings, installment handling
- ➢ Individual and group fee demanding facilities
- ➢ Class wise, student wise and item wise demand register.
- ➢ Daily fee collection register
- ➢ Class wise, student wise and item wise consolidated collection register.
- ➢ DCB Statement (Demand Collection Balance report) – Class wise, student wise, and item wise
- ➢ Receipt printing Defaulters register

8.	**HR Management**

- ➢ Staff Attendance Management
- ➢ Leave Management,
- ➢ Loan Management,
- ➢ Allowances and Deductions (PF, Insurance, HR…),
- ➢ Over Time Management,
- ➢ Pay slip Generation,
- ➢ Salary slip & Reports.
- ➢ Integration facility to Bio Metric System, RFID, Electro Magnetic cards
- ➢ Several Reports including Dynamic Reports

9.	**Store Module**

- ➢ Store purchase request, quotation etc
- ➢ Purchase order & Purchase receipt
- ➢ Sales procedures
- ➢ Stock management
- ➢ Store receipts
- ➢ Stock Transfer
- ➢ Account Posting
- ➢ Integrated with student module, HR and Financial Accounting.

10.	**Financial Accounts - In Double Entry System** *(For Self Financing Colleges Only)*

- ➢ Financial Year/Period Specification
- ➢ Ledger keeping and Reporting
- ➢ Journal Voucher Entry
- ➢ Cash Receipt/Payment Voucher

- ➢ Bank Receipt/Payment Voucher
- ➢ Debit Note/Credit Note /Voucher
- ➢ Bank Reconciliation entry
- ➢ Receivable and Payable Account, Receipt and Payment
- ➢ Item wise and consolidated register
- ➢ Access Privilege and Security at the highest level
- ➢ Year End Process and Year Close
- ➢ Trial Balance, Income & Expenditure
- ➢ Balance Sheet, Schedule of Balance Sheet

11. Hostel Management

- ➢ Hostel details - Block capacity
- ➢ Registration and Room allocation
- ➢ Hostel Fee and Mess Fee Demanding
- ➢ Hostel Fee and Mess Fee Collection
- ➢ Hostel Attendance
- ➢ Students visitor's record
- ➢ Mess management – Income & Expenses
- ➢ Different types of mess facilities

12. Alumni

- ➢ Alumni Registration (Individual and Bulk)
- ➢ Integration with Student Management System
- ➢ Alumni Communication
- ➢ Alumni Post – Job & Courses
- ➢ Alumni Events – Add members to the events
- ➢ Campus Performance Evaluation

13. Transport Management

- ➢ Vehicles, Boarding points and Rate settings
- ➢ Students boarding point settings
- ➢ Transport Fee Demanding
- ➢ Transport Fee Collection
- ➢ Fee Collection Account Posting
- ➢ Vehicle Tracking

14. PD Account *(For Aided Colleges Only)*

- ➢ PD Account Cash Receipts and payment
- ➢ Item wise & Consolidated PD Cash Register
- ➢ PD Account Management

15. NAAC Module For Event Documentation

Master file Settings:

➢ Venues: Explore various college event locations.

➢ Club Management: Organize statutory and non-statutory clubs.

➢ Staff - Additional roles: Maintain a master file for club in-charges.

➢ Club In-Charge: Appoint staff members as club leaders.

➢ Approval Workflow: Streamline event approval processes with status markers .

➢ Document Variety: Upload images, PDFs, and Excel files for AQAR.

➢ Hierarchy Templates: Create automatic approval hierarchy routines.

Event Approval Document Flow Control:

Effortlessly manage event approvals and documentation with our ERP system. Here's how it works:

➢ Request Submission: Teachers in charge of clubs or department activities initiate event requests, seeking permission from the principal for program conduct. The confirmation notification for the request forwards will be notified in the mobile app at each stage of file movements

➢ Automated Workflow: Once submitted, the request follows an automated hierarchy template, swiftly progressing through nodal offices to reach the highest authority for final approval, including venue allocation.

➢ Correction and Resubmission: If any suggested corrections arise during the process, the request bounces back for adjustments and resubmission. If not granted, the process halts.

➢ Teacher Dashboard: Teachers can track the approval process visually via their dashboard, ensuring transparency and ease of monitoring.

➢ Approval History: Access a comprehensive history of previous approval processes, including event dates, for reference in your teacher login.

➢ Exporting to AQAR: After approval, teachers can upload event notices, brochures, photographs, attendance records, financial statements, and more related to the program.

➢ IQAC Coordinator Integration: All submitted documents, in the required AQAR format and NAAC criteria, in EXCEL format reach the IQAC coordinator's dashboard, streamlining the accreditation process.

➢ Report Generation: Our system generates various reports, including event records for each club and consolidated reports for a comprehensive overview of all events.

With this module, you can streamline event management, documentation, and reporting, making the accreditation process smoother and more efficient.

| 16. | **Outcome Based Evaluation Module (OBE)** |

At TCS ERP, we understand that higher educational institutions aim to provide the best quality education to their students. To achieve this, we have developed the Outcome Based Evaluation (OBE) module, a powerful tool that enhances the assessment and tracking of student learning and progress concerning specific, predetermined learning objectives and outcomes.

Key Features:

➢ CO-PO Mapping Solution: TCS ERP empowers your institution with a seamless CO-PO (Course Outcome - Program Outcome) mapping solution. This feature ensures alignment between what your courses aim to achieve and the overall program goals, providing a holistic view of educational effectiveness.

- Course Outcome Attainment: With our OBE module, easily monitor and assess the attainment of course outcomes. Understand how well your courses are achieving their intended objectives and make data-driven improvements.
- Question Bank Integration: Our OBE module is intricately linked with a comprehensive question bank and question paper. This integration simplifies the assessment process by providing a rich repository of questions that can be mapped to course outcomes.

Master Files Settings:

- Program Outcome Settings (for HoD): Empower your Head of Department with the ability to define and manage program outcomes, ensuring clear alignment with institutional goals.
- Course Outcome Settings (for Teachers): Enable your teaching staff to set and manage course outcomes, ensuring they remain focused on delivering effective education.
- CO-PO Mapping: Seamlessly connect course outcomes to program outcomes for a deeper understanding of the educational journey.
- Course Plan Settings: Streamline the planning of courses with detailed course plan settings, allowing educators to structure their syllabus and modules efficiently.
- CO Attainment Level Master Settings: Set up attainment levels for course outcomes to gauge the performance of your institution effectively.
- Question Bank Settings: Fine-tune the question bank by defining cognitive levels of learning. Tailor your assessments to your educational objectives.

Talk to your app : Transaction entry windows and menus

- Question Bank Population: Populate your question bank with questions relevant to specific syllabus sections. Set the difficulty and cognitive levels of learning for each question and map them to course outcomes.
- Evaluation and Mark Entry: Streamline the evaluation process. Select the student, exam name, and question paper code, and use our mobile app for convenient mark entry. Enhance the evaluation process with detailed assessment.
- Outcome-Based CO-PO map based Attainment Levels: Gain a comprehensive overview of outcome attainment levels for all students in the class. Monitor the overall performance and identify areas for improvement.
- Course Diary Reports: Automatic updates of course diary with Attainment levels

With TCS ERP's Outcome Based Evaluation module, higher educational institutions can take their educational quality to new heights. Empower your educators with the tools they need to deliver a superior learning experience and ensure that your institution continues to thrive in the modern educational landscape.

17. Autonomous College – Admission and Examination Management

Ranking and selection of applications: -Evaluation item settings
- Rank List Generation: Index mark generation based on the marks scored in the qualifying examination of various boards of exams and the Program applied for.
- Admission Management: Based on index marks and the number of seats in general and reservation quota Evaluation remarks

Examination and Evaluation Management

- Examination Scheduling and Management: From the announcement of exams to application entries, fee collection.
- Question paper setting: maintain panel of question setters for various courses and keep track of assigned question paper settings through follow-up routines and status.
- Hall ticket generation: Students use their mobile app to download hall tickets.
- Exam seat arrangements: Seat number, hall number to reach the mobile app with student, on every day of exam.
- Evaluation and Result Publication: Maintain panel of evaluation experts and Keep track of evaluation.

18.	**Android & iOS Mobile App For Teachers And Parents**

Parent's App features at a glance

- **Parent's Profile Data Review:** Parents can effortlessly peruse and manage their profile data, ensuring that their information remains up-to-date and accurate.
- **Interactive Thought-Sharing Timeline:** A dynamic timeline feature empowers parents to share their thoughts and experiences, fostering a collaborative and engaging community within the educational ecosystem.
- **Direct Communication with the Principal:** The app facilitates direct and instant communication between parents and the college principal, fostering transparent and open dialogue.
- **Accessible Notice Boards:** Parents gain easy access to virtual notice boards, staying informed about crucial updates, announcements, and important events within the college.
- **Campus Infrastructure Rating:** Parents have the opportunity to provide valuable feedback by rating the campus infrastructure, contributing to continuous improvement initiatives.
- **Appointment Scheduling via Calendar:** A built-in calendar feature enables parents to schedule appointments with the tutor at their convenience, facilitating efficient communication and coordination.
- **Media File Management in Gallery**: The app includes a dedicated gallery where parents can securely store and organize their media files.
- **Online Fee Payments and History Tracking:** Parents can effortlessly manage financial transactions by paying fees online and accessing a comprehensive fee payment history within the app.
- **Incident Report Access:** Stay informed about your child's well-being with easy access to incident reports, ensuring parents are promptly informed of any relevant occurrences.

Incorporating cutting-edge features, MeshiLogic's ERP solution redefines the parent-institution relationship, providing a comprehensive and user-centric mobile experience.

Student's App features at a glance

- **Streamlined Profile and Academic Details of the student:** The student login offers a comprehensive profile overview, providing easy access to academic details and personal information.
- **Leave Application on the Go:** Students can effortlessly apply for leave directly from their mobile devices, simplifying the process and ensuring timely communication with the institution.
- **Timetable Accessibility Anytime, Anywhere:** Access to the timetable of the day including work adjustment done by teachers to empowers students to stay organized and plan their activities effectively.

- ➤ **Attendance Analysis Tool:** Students can analyze their attendance by comparing it within specific date ranges, allowing for a comprehensive understanding of their attendance trends.
- ➤ **Detailed Examination Marks Breakdown:** Gain insights into examination performance by reviewing marks obtained in recent exams or previous exams , offering a comprehensive breakdown of scores.
- ➤ **Assignment Submission Capability:** The app facilitates easy assignment uploads, providing a convenient platform for students to submit their work.
- ➤ **Engaging Thought-Sharing Timeline:** A dedicated timeline feature enables students to share their thoughts, fostering a collaborative and interactive community environment.
- ➤ **Direct Communication Channels:** Students can engage in direct communication with staff, including the principal, fostering better understanding and communication.
- ➤ **Accessible Notice Board:** The app provides seamless access to the institution's notice board, ensuring students stay updated on essential announcements and information.
- ➤ **Teacher Performance Evaluation:** Students have the option to evaluate and provide feedback on their teachers' performance, contributing to the enhancement of educational quality.
- ➤ **Calendar for Efficient Planning:** A user-friendly and calendar which sync with event s planned through the NAAC module assists students in planning and organizing their schedules efficiently.
- ➤ **Media Gallery Access:** Students can access their favorite collection of photos and other media files from anywhere via the app's gallery feature.
- ➤ **Quick Fee Details Access:** Instant access to fee details ensures students are informed about their financial obligations within the institution.
- ➤ **Incident Reporting Capability:** The app enables students to swiftly report incidents, ensuring timely communication and action when necessary.

This robust suite of features within the Student App for TCS aims to revolutionize the student experience, empowering them with a comprehensive and user-friendly mobile interface for academic and administrative interactions.

Empowering Educators: Teacher App by MeshiLogic

Unlock the full potential of educational management with the Teacher App by MeshiLogic, a dynamic toolset designed to enhance productivity, connectivity, and efficiency for educators within institutions using the TCS ERP solution.

- ➤ **ERP Access on the Go**: Gain access to most ERP modules applicable to teachers directly from your smartphone, ensuring seamless interaction with the institution's system.
- ➤ **Self-Profile Information**: Access and manage personal and academic profile details effortlessly through the teacher's login.
- ➤ **Timetable Management:** Crosscheck and manage current classes directly from the app's timetable feature, Adjust classes with other teachers using the app that reorganize the days timetable available to all stakeholders
- ➤ **Attendance Management:** Streamline attendance tracking and recording tasks, simplifying administrative responsibilities.
- ➤ **Interactive Thought-Sharing:** Engage with colleagues and share thoughts through the timeline window, fostering collaboration and idea-sharing.
- ➤ **Direct Communication Channels:** Facilitate direct communication with fellow teachers and the institution's leadership, including the principal, for efficient collaboration.

- ➢ **Notice Board Viewing and Work Adjustments:** Stay updated on institutional announcements and adjust work schedules accordingly through the notice board feature.
- ➢ **Telephone Directory Access:** Easily access contact information for students and parents via the telephone directory, streamlining communication.
- ➢ **Student Details Overview:** Access detailed student profiles directly from the teacher's login for a comprehensive understanding of individual students.
- ➢ **Comprehensive Reporting Tools:** Utilize various reports to derive valuable insights and conclusions, aiding in informed decision-making.
- ➢ **Versatile Timetable Views:** Access timetables from multiple perspectives, ensuring clarity and effective planning.
- ➢ **Mobile Examination Module:** Manage examination-related tasks efficiently through the app's examination module.
- ➢ **Course Details Review:** Quick access to course details for efficient curriculum review and planning.
- ➢ **Course Diary and Staff Duty Access:** Easily manage course diaries and staff duties directly from the app.
- ➢ **Note Upload Capability:** Share course-related notes and materials with students through the app's note upload feature.
- ➢ **Campus Performance Evaluation:** Contribute to campus improvement by evaluating and providing feedback on performance directly from the app.
- ➢ **Appointment and Schedule Planning:** Plan appointments and schedules effectively with the calendar feature, ensuring optimal time management.
- ➢ **Media File Management:** Store and organize media files securely in the app's gallery for easy access.